

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A method for determining the level of ~~an analyte~~ glucose in the blood of an individual comprising:


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- (i) obtaining a sample of hair or urine from said individual, said sample being a non-blood sample but containing blood components:
 - (ii) determining the volume of blood in the obtained sample by measuring the level of a blood component in said samples:
 - (iii) determining the amount of ~~said analyte~~ glucose in the sample or in the blood cells present in said non-blood sample; and
 - (iv) calculating the level of ~~said analyte~~ glucose in the blood of the tested individual based on the measurements in (iii) and (iv).'

Claim 2 (original) The method of Claim 1,

wherein said blood component is hemoglobin.

Claim 3 (canceled)

Claim 4 (currently amended) A method according to Claim 1, wherein said non-blood sample is a sample of hair obtained from said individual, the method comprising:

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- (i) obtaining a sample of hair from said individual;
 - (ii) determining the amount of blood or interstitial fluid in said obtained sample and if necessary, correcting variations between different hair samples;
 - (iii) determining the level or concentration of ~~said analyte~~ glucose in said blood or interstitial fluid and
 - (iv) calculating the level of ~~said analyte~~ glucose in the blood of the tested individual based on the measurements in (ii) and (iii).

Claim 5 (original) A method according to claim

4 wherein before stage (ii) said blood or interstitial fluid are first extracted from the hair follicle of said obtained hair.

Claim 6 (currently amended) A kit for determining the level of ~~an analyte~~ glucose in the blood of a tested individual comprising:

- (i) means for obtaining a sample of hair or urine from said individual, said sample being a non-blood sample but containing blood components;
- (ii) means for measuring the level of a blood component in the sample;
- (iii) means for measuring the level of ~~the tested analyte~~ glucose in the obtained sample;
- (iv) means for calculating the level of ~~the tested analyte~~ glucose in the blood of the tested individual on the bases of the measurements obtained in (ii) and (iii) above.

Claim 7 (original) A kit according to Claim 6, further comprising means for separating said red blood cells from the sample.

Claim 8 (previously presented) A kit according to Claim 6, further comprising means for lysing said red blood cells.

Claim 9 (currently amended) A kit according to claim 6, further comprising a test strip incorporating reagents or structures necessary to carry out the measurement of the ~~tested analyte~~ glucose and blood component and a instrument into which the test strip can be inserted into or to which the test strip may be connected; said instrument being an instrument that detects and analyzes and optionally ~~translating~~ translates said signals into ~~prevalent~~ relevant units.

Claim 10 (currently amended) A kit according to Claim 6, wherein the obtained body sample is a hair sample, said kit comprising the following:

- (i) hair removal means;
- (ii) a suitable diluent in which the blood or interstitial fluid from the obtained hair is collected;
- (iii) means for the determination of the level of a blood component in the blood or interstitial fluid specimen;

- (iv) means for determination of the level of ~~said analyte~~ glucose in the blood or interstitial fluid specimen; and
- (v) means for calculating the level of ~~the tested analyte~~ glucose in the blood of the tested individual on the basis of the measurements obtained in (iii) and (iv) above.

/ Claim 11 (canceled)

Claim 12 (original) A kit according to Claim ~~11~~ 6, further comprising a metabolic inhibitor capable of preventing glucose utilization by living cells present in said sample.
